Colorado CVISN Work Plan

Colorado CVISN Work Plan Executive Summary

- Colorado's CVISN project is included in Colorado's overall plan for support of Commercial Vehicle Operations. Some of the projects currently proposed or in development are:
- WHEELS Reengineering
  - COVE EDS
  - System 36 Replacement
  - SAFER Beta Testing
  - IRP system rewrite
  - IFTA EDIT
  - IRP and IFTA clearing house negotiations
  - AVI/WIM installation
  - Electronic Credentialing for Carriers
  - etc.

Colorado CVISN Phase Plan

• Phase I	10/01/96 through 03/31/97	Complete
• Phase II	04/01/97 through 12/3l/97	
• Phase III	01/101/98 through 06/30/98	
• Phase IV	07/01/98 through 12/31/98	
• Phase V	01/01/98 through 06/30/99	
• Phase VI	07/01/99 through 12/3 l/99	
• Phase VII	0101/00 through 06/30/00	
• Phase VIII	07/01/00 through 12/31/00	
• Phase IX	01/01/01 through 06/30/01	
• Phase X	07/01/01 through 12/31/01	
• Phase XI	01/01/02 through 06/30/02	
• Phase XII	07/01/02 through 12/31/02	

Colorado CVISN Phase II Work Plan Deliverables

- Phase II 04/01/97 through 12/3 l/97
  - Project Plan
  - Phase II work plan
  - Design workshop
  - Industry Day
  - IFTA Clearinghouse meeting
  - System 36 replacement (all Ports)
  - Replace DEC Alpha equipment with INTEL based technology at the Trinidad Port of Entry
  - SAFER Beta test and evaluation
  - License Plate Reader (LPR) install and evaluation
  - RFP for Carrier Electronic Credentialing
  - CAT implementation with pilot carriers

Colorado CVISN Phase II Work Plan Deliverables

- Phase II (continued)
  - Analysis of Integrated Data System
  - Create WEB site
  - Expand Department's ED1 translator capabilities
  - COVE EDS workshops
  - Development of communications infrastructure
  - Install new technology at east bound Dumont port

Colorado CVISN Phase II
Work Plan Approval

Signature on File

R. J. Hicks

DOR, MCS

Signature on File

Greg Fulton

CMCA

Signature on File

Lee Smith

DORA, PUC

Signature on File

Dick Mango

CDOT, CVO

Signature on File

Major Art Harris

DPS, CSP

Signature on File

Dee Hartman

DOR, MVD

Signature on File

Ron McNutt

DOR, ITD

Colorado CVISN Phase Capability and Milestone Summary

Major Milestones

1996	1997	1998
Start Project 10/01/96	04/97 through 12/97	01/98 through 06/98

Phase 1 - Planning	Phase 2	Phase 3
Attended DC Workshops Produced COACH I document Hired project manager Defined the Project team Identified state legacy systems Started concept design of Interfaces and Modifications to Legacy systems	Credentials (Carrier) Contract upgrade of CAT EDI Implementations IFTA Implementations IRP Implementations Expand Department's EDI translator capabilities Roadside Test License Plate Reader Replace System 36 Dumont east bound Replace DEC Alpha Trinidad Safety Beta Test SAFER PUC CAT implementation Faxed violator lists distribution via electronic means	Credentials EDI Implementation of 810 & 813 IFTA Automate DOR Credentialing IRP Automate DOR Credentialing Roadside Replace System 36 at Cortez Replace System 36 at Trinidad Safety Update SAFER Electronically

Colorado CVISN Phase Capability and Milestone Summary

Major Milestones

1998	1999	
07/97 through 12/98	01/99 through 06/99	End Project A 9/30/99
Phase 4	**Phase 5**	**Phase 6**
Credentials OS/OW Electronic Application Single State Registration System Electronic Application Roadside Replace System 36 at Monument Replace System 36 at Fort Collins Automate Denver Mobile Safety	Credentials Roadside Replace System 36 at Limon Replace System 36 at Loma Replace System 36 at Lamar Safety	Credentials Roadside Replace System 36 at Fort Morgan Replace System 36 at Platteville Replace System 36 at Fort Garland Safety

Colorado CVISN Phase II Credentialing Objectives

- Expand Department's ED1 translator capabilities to include processing for 285, 286 and 813 transaction types
- Modify IRP and IFTA legacy systems to accept electronic information from the ED1 translator
- Develop WEB site in cooperation with efforts currently underway by Colorado Departments of Revenue and Transportation
- Identification of the pilot carriers
- Create an Request for Proposal (RFP) for development of a Carrier Automated Transaction (CAT) system to facilitate the implementation of Electronic One Stop Shopping
- Implementation of the CAT with the pilot carriers

Colorado CVISN Phase II
Administrative Objectives

- Complete Project Plan for submission to JHU
- Prepare Phase II Work Plan
- Attend Design Workshop
- Demonstrate AVI/WIM, Port to Port communications and prototypes of Electronic Credentialing software to industry representatives, legislators, FHWA representatives and other interested parties
- Present Colorado Roadside Safety plan at June workshop
- Attend COVE EDS Workshops
- Start analysis of Integrated Data System in support of Department of Revenue's reengineering project (WHEELS)

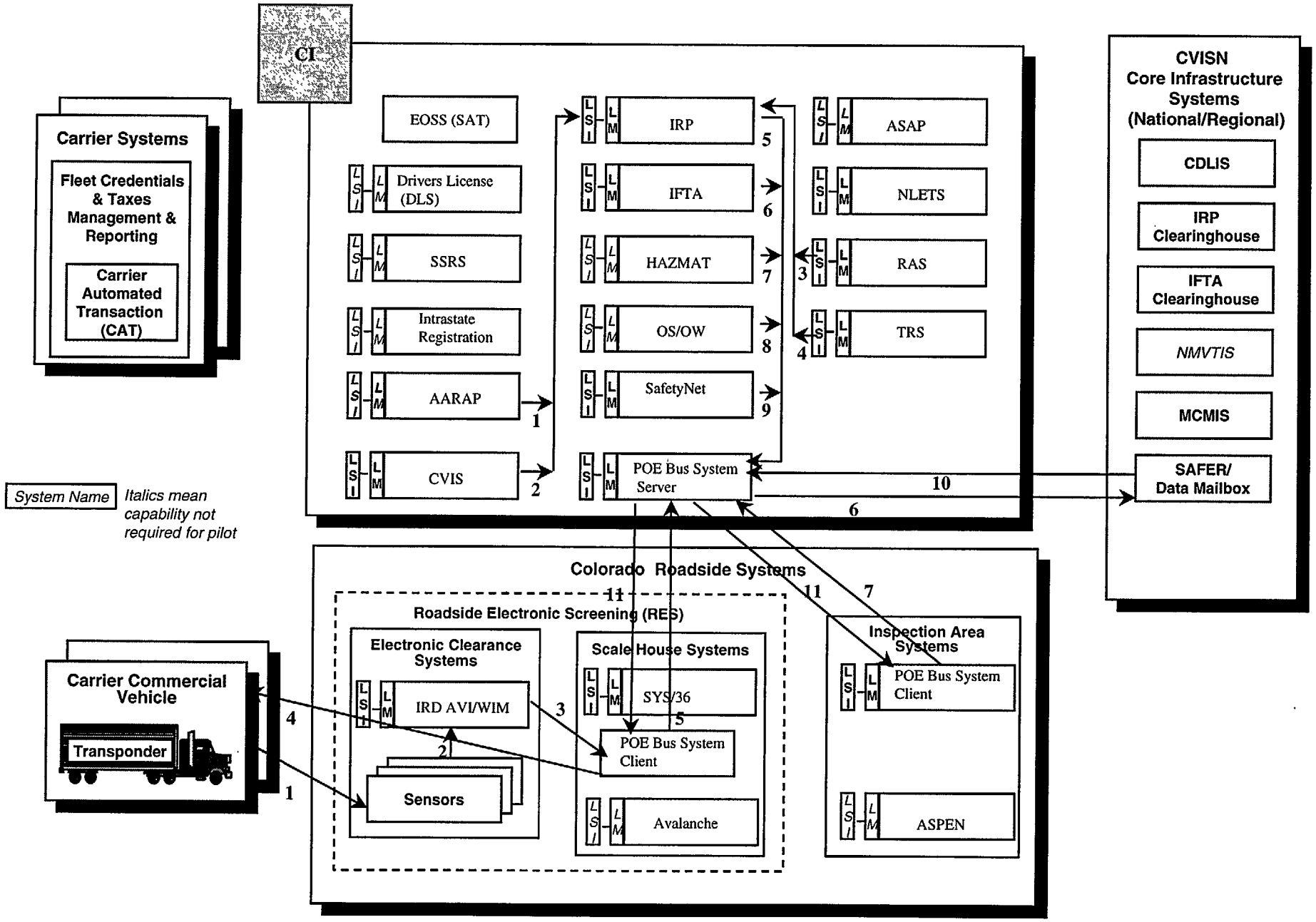
Colorado CVISN Phase II
Roadside Objectives

- Develop a communications infrastructure in support of CVISN and WHEELS system requirements
- Replace IBM System 36 equipment with INTEL based technology at Port of Entry locations throughout the state
- Replace DEC Alpha equipment with INTEL based technology at the Trinidad Port of Entry
- Install, test and evaluate License Plate Reader (LPR) technology at the Dumont Port of Entry

Colorado CVISN Phase II
Safety Objectives

- Conduct beta test of the SAFER system at the Fort Morgan and Lamar Port of Entry locations
- Explore the possibility of exchanging data electronically in lieu of the current fax system on motor carriers who do not pay their SSRS civil penalties
- Demonstrate the carrier interface to the CAT for PUC credentialing

Colorado CVISN System Thread Diagram

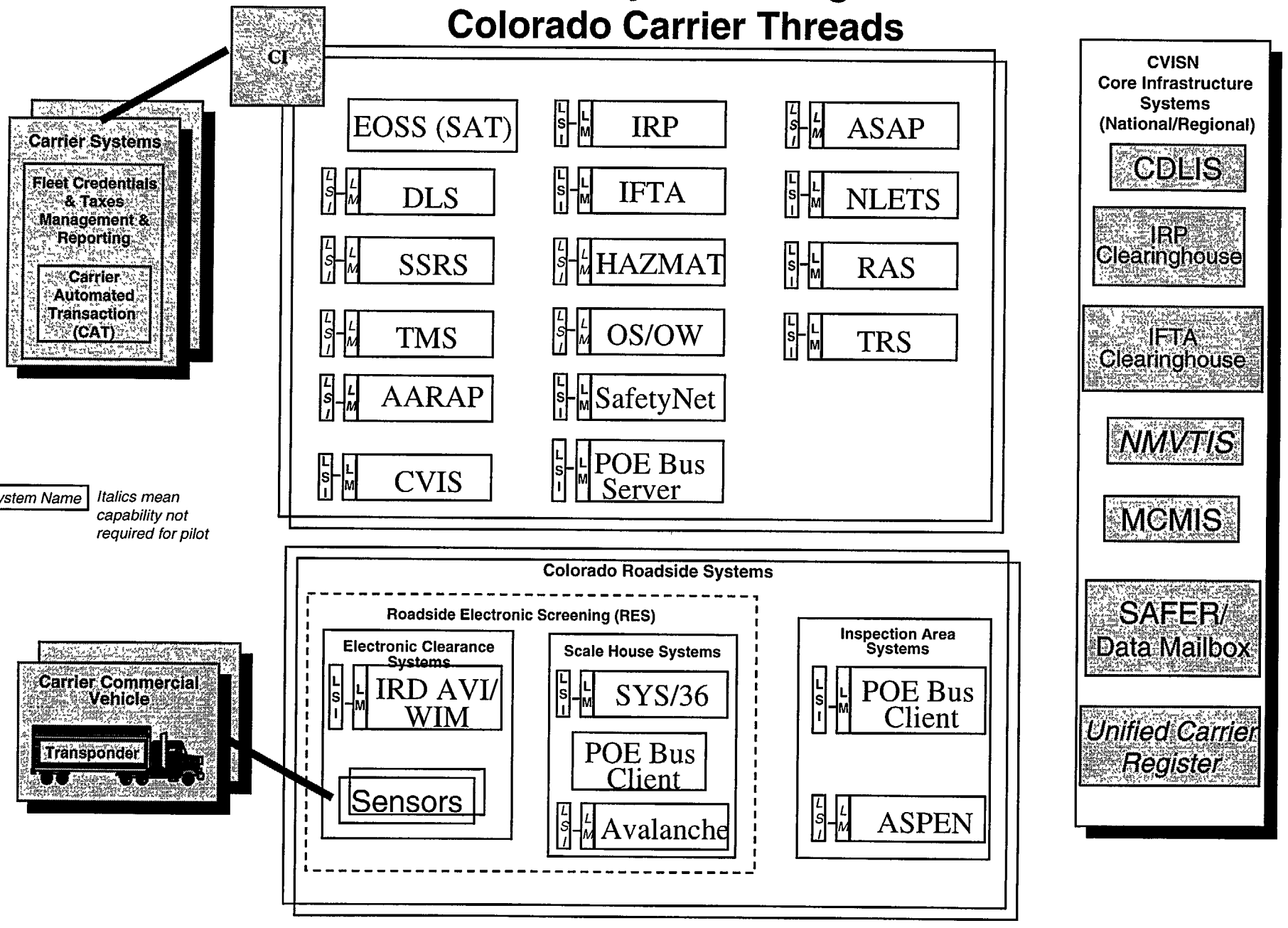


1. Distraint Warrant Information to IRP
2. CVIS Target Indication to IRP
3. Accounting Data to IRP
4. Demographic Data to IRP
5. IRP Credential Information to POE Central
6. IFTA Credential Information to POE Central
7. Hazardous Material Permit Information to POE Central
8. OS/OW Permit Information to POE Central
9. Intrastate Safety Information to POE Central
10. Interstate Safety Information to POE Central
11. POE Central Data To Scale House And Mobile

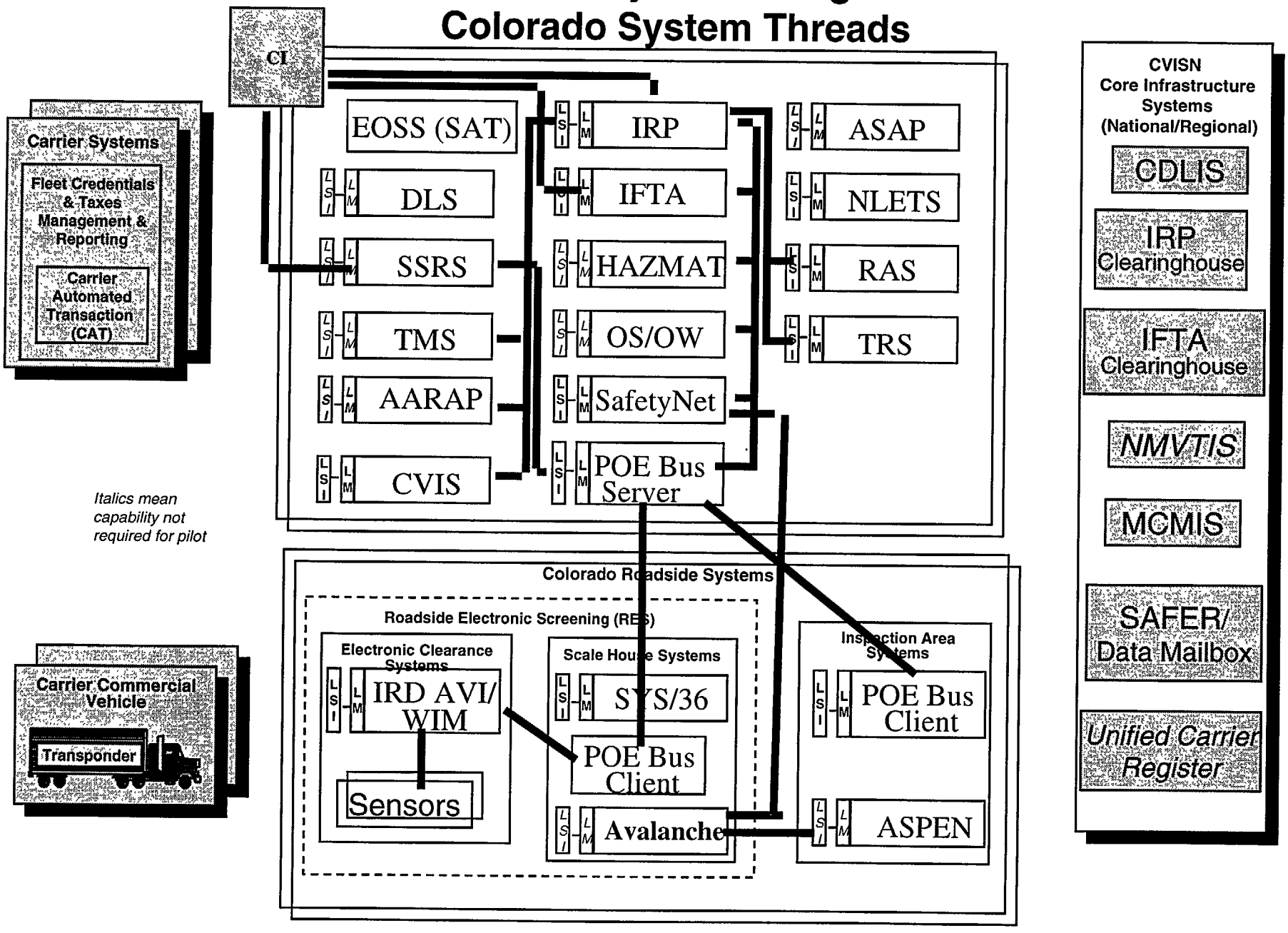
Colorado CVISN Pilot Project Roadside Clearance

1. Sensor Detects Vehicle
2. Marry Transponder Data & WIM Data
3. Data To POE Roadside
4. Go / No Go To Vehicle
5. Query POE Central On New Vehicle
6. POE Central Queries SAFER On New Vehicle

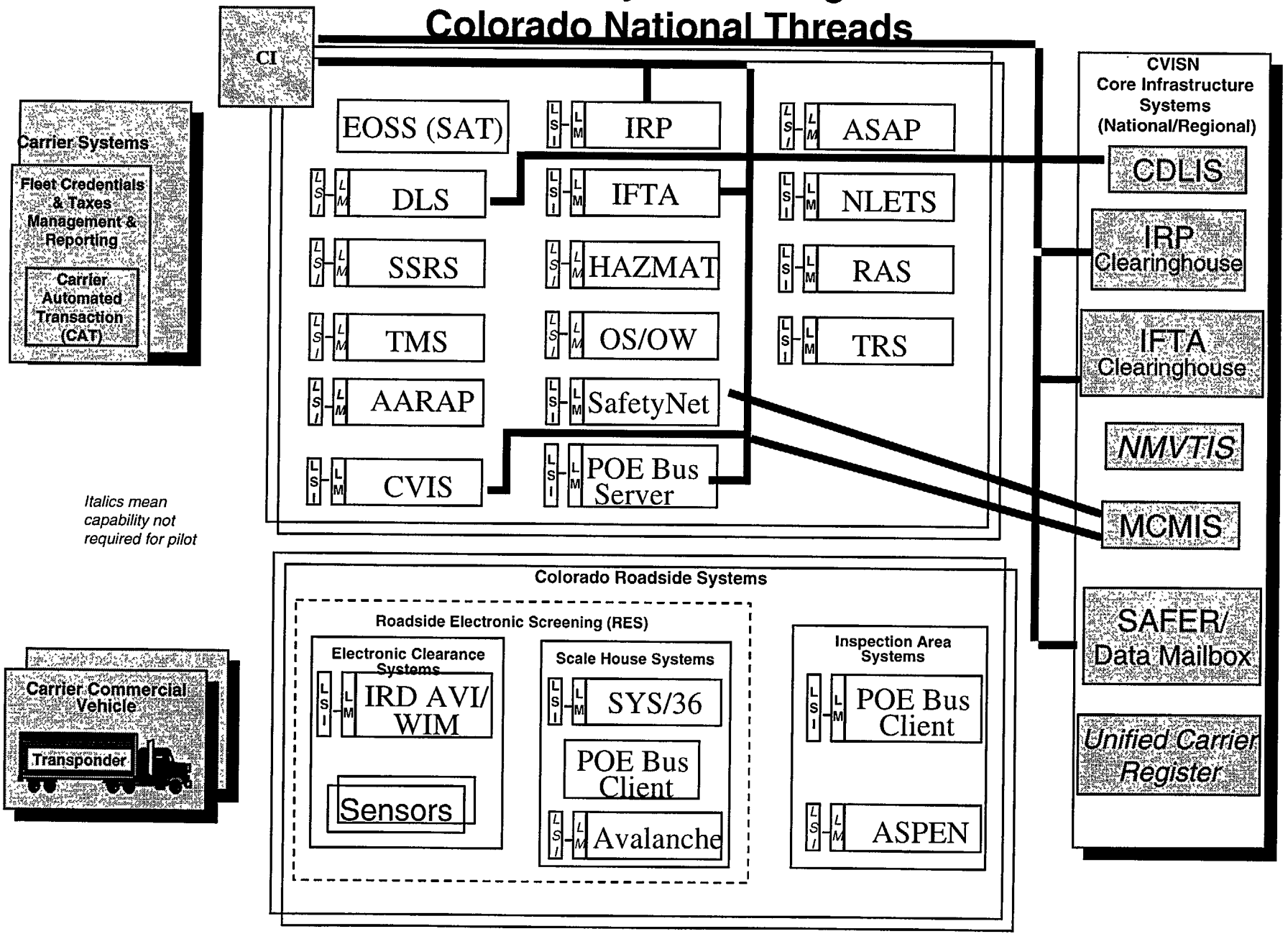
CVISN System Design
Colorado Carrier Threads



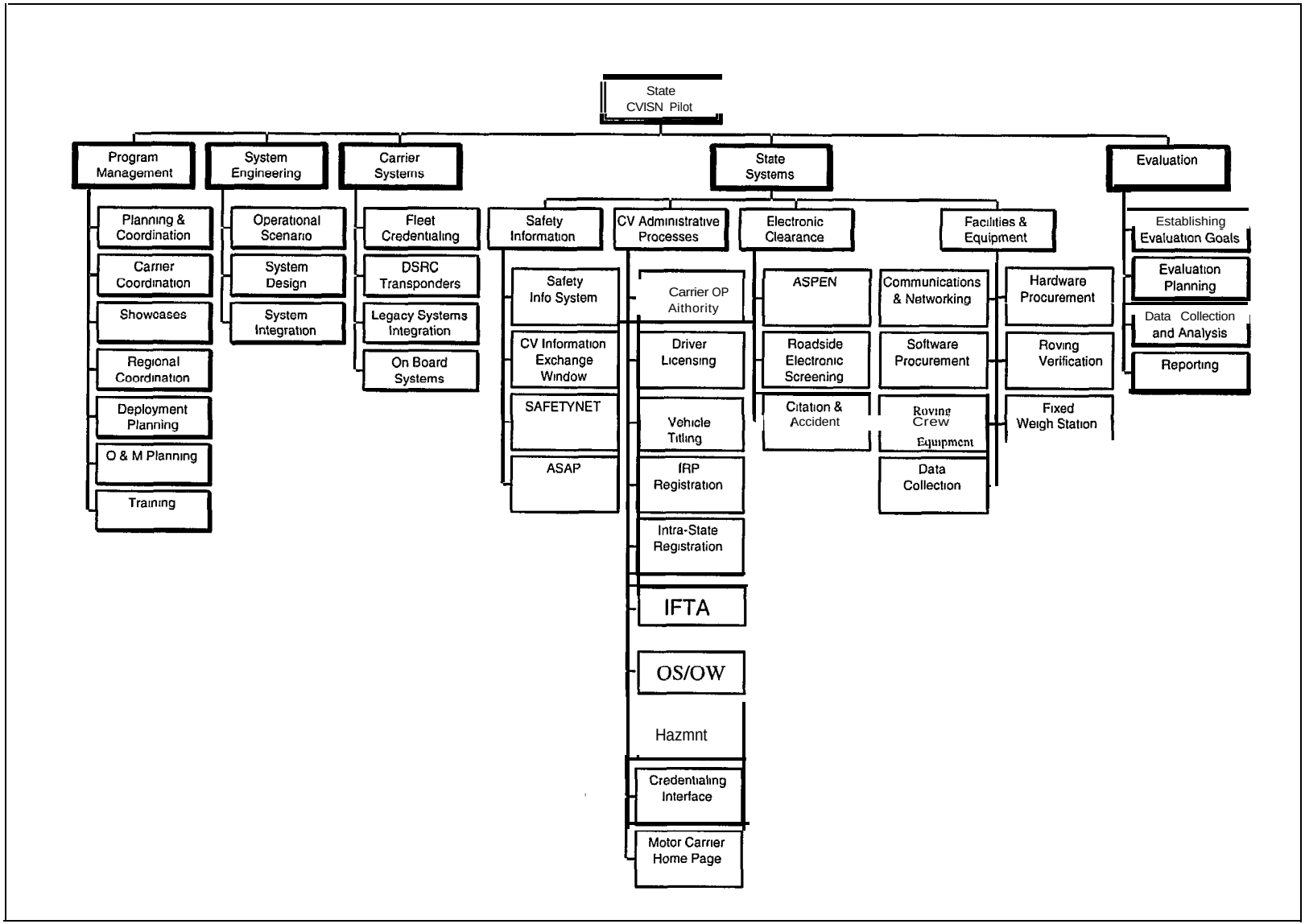
CVISN System Design
Colorado System Threads



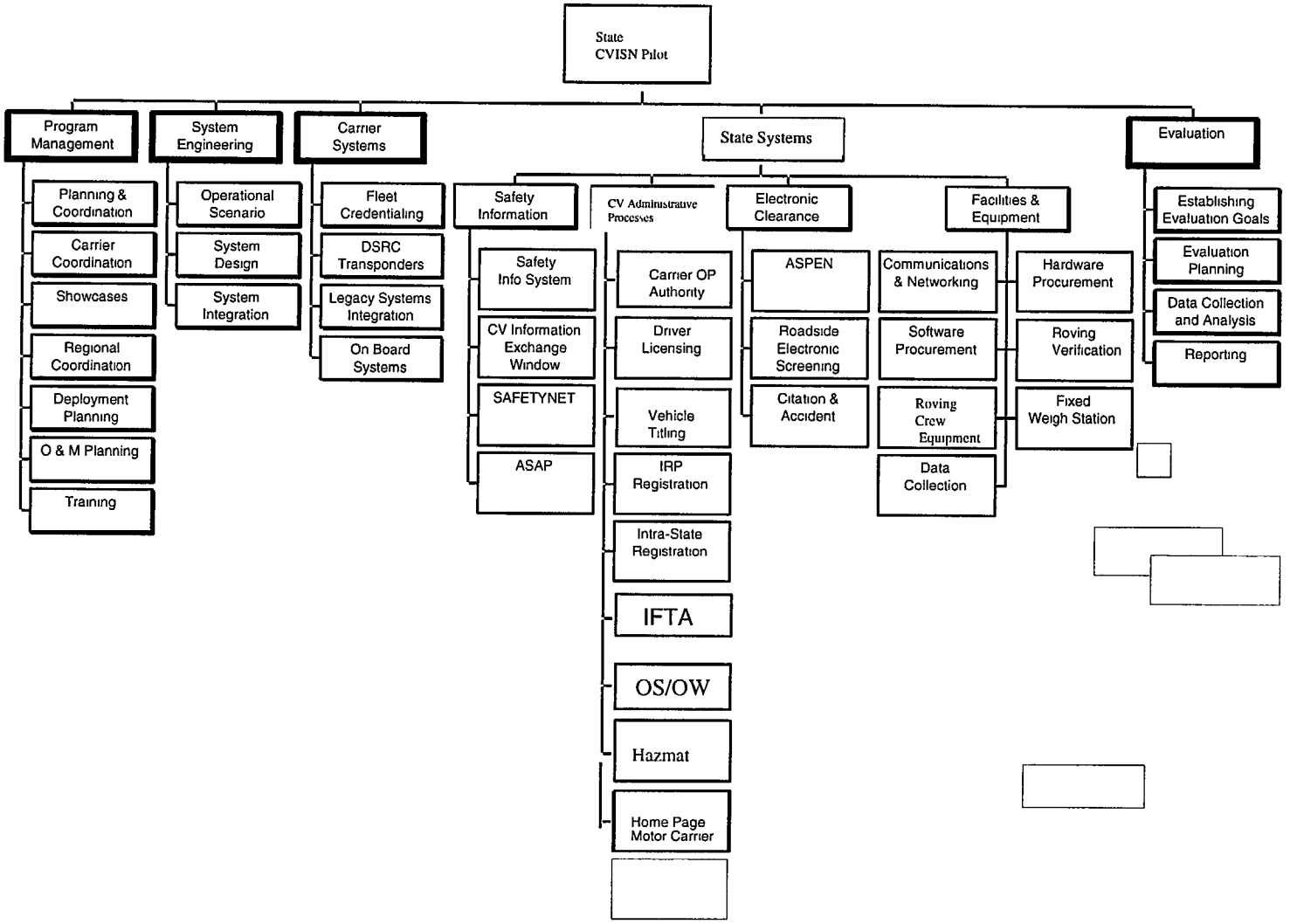
CVISN System Design
Colorado National Threads



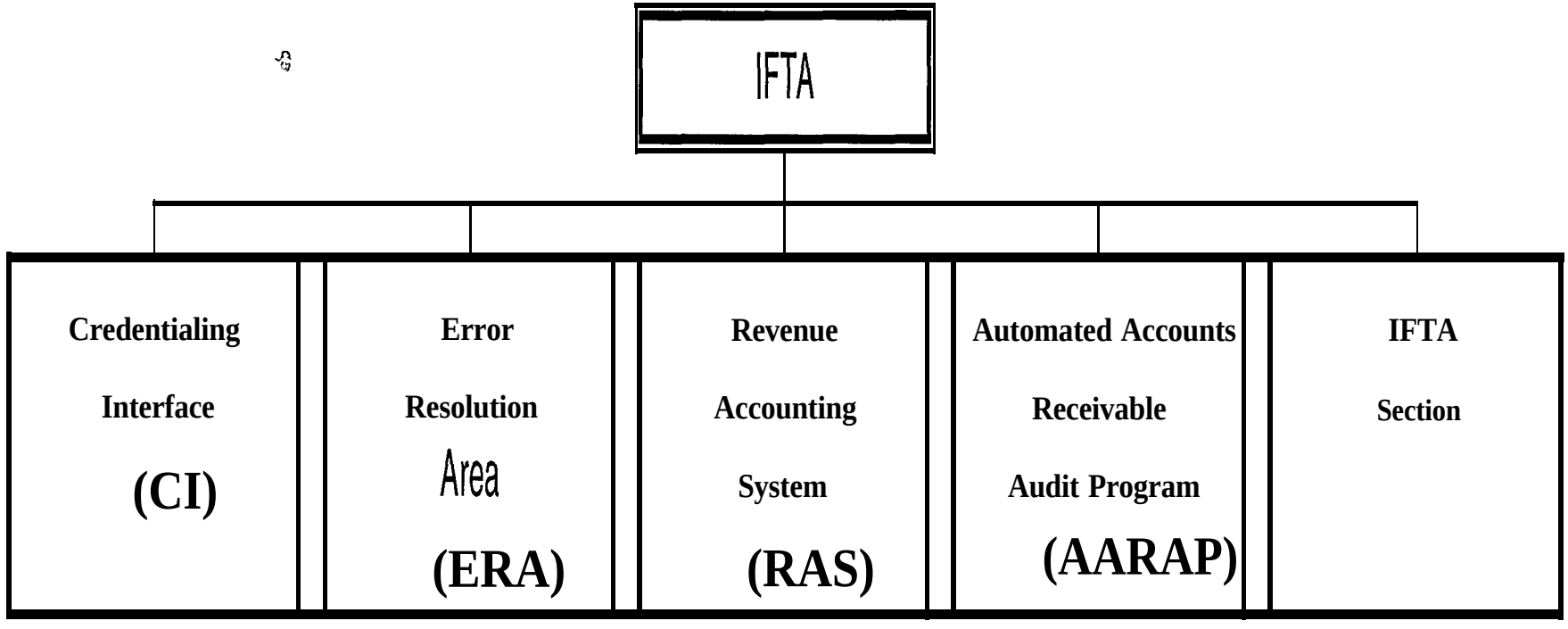
Colorado CVISN Work Breakdown Structure



Colorado CVISN Work Breakdown Structure



Colorado CVISN WBS for IFTA Quarterly Returns

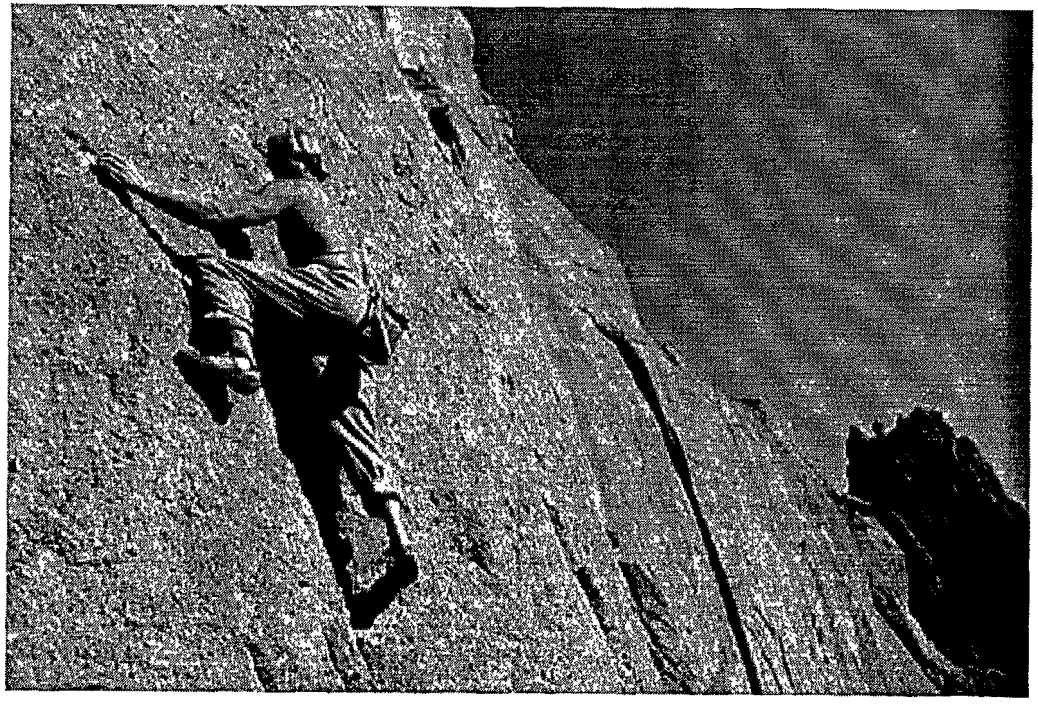


Colorado CVISN Phase II External Dependencies

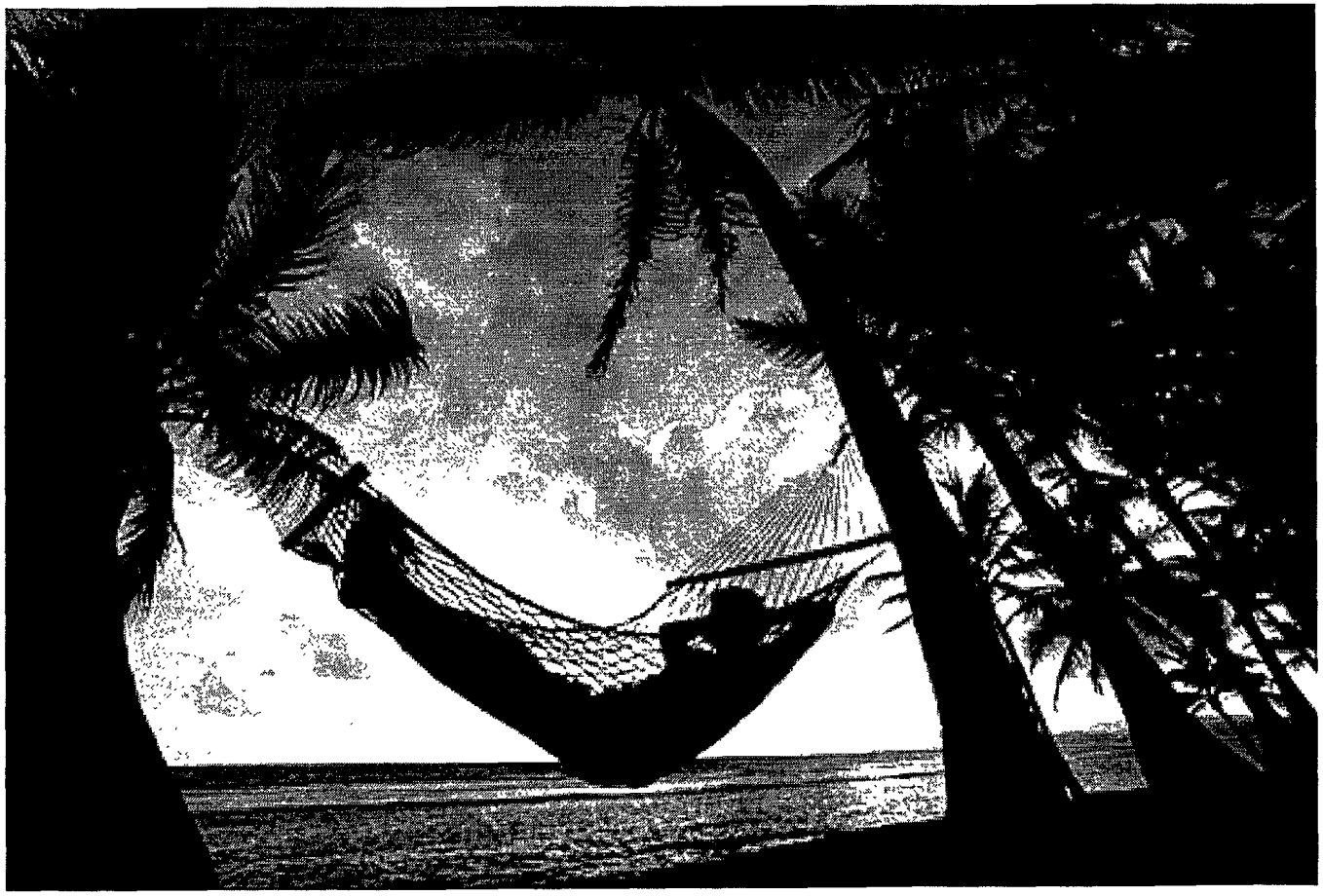
- Continued CVO funding through Federal Highway Administration
- Completion of Colorado IRP rewrite project
- Continued and expanded carrier involvement
- Adequate carrier computer equipment and communications implementation
- Complete replacement of System 36 with Intel equipment
- Confirmation of translator to accept transaction types (286, 285, 813)

Colorado CVISN Phase II

Cost and Resource Schedule



Colorado CVISN Project



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